Reinvent Rhythm
Beat creation and loop mangling at its finest

Mash it up*
LoopMash is a revolutionary virtual instrument that offers a unique and innovative way of creatively working with loops and beats to create stunning new rhythms and grooves. Seamlessly blendable variations of both the included loops and any loop from your library open up a myriad of new creative possibilities.

Its innovative audio analysis/synthesis engine, developed in collaboration with Yamaha, matches similar elements across loops and beats, generating fresh and inspiring “mash-ups” from any rhythmic audio material. By simply dragging existing loops from MediaBay or the Project Window onto LoopMash, entirely new and unique variations are created on the fly.

Drum sampling deluxe
Groove Agent ONE pairs powerful drum sampling with detailed sound shaping. Not only does it boast sliced loop and MPC-import but rocks right out of the box with its own custom library of only the finest drum kits!

The ultra-tight integration into Cubase 5 allows you to map sliced Cubase audio parts or multiple audio events across the pads by simply dragging them directly to Groove Agent ONE. And converting the beat to MIDI is just a matter of dragging back a MIDI file containing the groove from Groove Agent ONE to the Project Window!

Beat it
Beat Designer is a hot new beat construction plug-in that allows you to get hands-on with beats for step programming and designing drum patterns in an easy yet powerful way.

Beat Designer comes with dozens of beats in various styles perfectly matching the Groove Agent ONE kits to get you going right away — and so much control, ease of use and functionality that you’ll keep coming back.

* Available in Cubase 5 only
**Play the Pitch**

Seamlessly integrated vocal editing and pitch correction toolset

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**Total vocal editing***

VariAudio offers completely integrated vocal editing and pitch alteration of individual notes in monophonic vocal recordings and can solve intonation and timing problems with only a few mouse clicks.

VariAudio starts its magic by deeply analyzing the entire vocal melody and transcribing each individual note, with a maximum-resolution display of all detected notes as well as the Micro-Pitch envelope. From here on in, you have complete control over the melody and intonation. All detected notes and segments can be converted to MIDI notes. This opens up further creative possibilities, taking recorded vocal melodies from audio into the MIDI domain, allowing you to build new arrangements and orchestrations on top of recorded vocals — a whole new approach to using vocal melodies in the creative process.

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**On-the-fly pitch correction**

Designed for vocal and solo instrument recordings, the new PitchCorrect VST3 plug-in brings easy and automatic intonation control and scale correction of vocal and monophonic instrument recordings to Cubase.

PitchCorrect is based on the acclaimed Yamaha Pitch Fix technology and constantly detects the pitch of the input material and immediately corrects it to match to the closest pitch of a user-specified scale, including minor, major, chromatic and custom scales.

Beside cosmetic corrections, the independent controls for formant shift, pitch-correction, detection and detune also give plenty of room for creative use — and abuse — of audio material!

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*Available in Cubase 5 only*
Maximum Depth
New dimensions for your mix

Experience in space*
REVerence is the world’s first VST3 multi-channel convolution reverb processor, being capable of emulating speakers, analog gear and any natural room or hall imaginable — in stereo or surround with over 70 responses included.

REVerence combines pure usability and a wealth of creative options like the independent controls for early reflections and the built-in EQ controls with outstanding sonic properties to add that extra sparkle and illusive 3D depth to any mix. REVerence is the choice for the discerning professional when it comes to first-class natural space simulation.

Rule-based consolidation
Automating the MIDI area of productions has also been made far more transparent. Rule-based consolidation of part-based MIDI controller data and track-based MIDI automation data routed to the same target eliminates conflicts and fuses the two systems together.

This best-of-both-worlds approach really comes to life with the brand-new ability to view and edit MIDI track automation side by side and inline with existing MIDI controller data in the Key Editor or the Project Window.

New automation handling
The new automation handling in Cubase 5 is now more transparent and flexible than ever before, the centerpiece being the large new automation panel for lightning fast access, offering a unified point of control for all automation settings.
VST Expression is an ultra-intuitive new way of working with multiple instrument articulations, for example of huge orchestra libraries, and introduces an editing concept that is not only user-customizable but is also fully integrated with the Key and Score Editors. VST Expression makes working with instrument articulations easier as it separates articulation commands from note events. Instead of handling all those MIDI controllers for switching articulations, VST Expression allows seamlessly and transparently integrated editing as well as full control over multiple articulations. Articulations noted in the Score Editor can be played back immediately in real time by orchestra or any other sample-based libraries — even when the sound playback device has changed.

Cubase 5 contains a 90-day fully functional trial version of the HALion Symphonic Orchestra 16-bit Special Edition, providing a wealth of acoustic orchestral instruments at their best, including an almost inexhaustible range of articulations and expressive playing techniques. Thanks to the support of the new VST Expression feature, HALion Symphonic Orchestra 16-bit Special Edition gives you total control of the awe-some emotive power and sheer sonic majesty of a full symphonic orchestra.

Cubase 5 comes armed with two brand-new track types: Signature Track and Tempo Track. These extremely useful new track types offer total control over tempo and time signature directly in the Project Window, letting you visualize and edit tempo and signature changes within the project context.

The HALion ONE sound library has been expanded with a new set of studio-quality instruments featuring 14 new instruments with multiple articulations for natural and expressive performances. With each articulation assigned to a key switch, the new Expression Set 01 is perfectly suited to explore VST Expression.
Experience the X64 advantage
Native Cubase 64-bit support under Microsoft Windows Vista 64 increases the addressable memory from 2 GB to an astonishing 1 terabyte — placing more tracks, plug-ins and a whole lot of more samples of the biggest libraries right at your fingertips!

Low latency for all
Cubase 5 takes full advantage of the latest WASAPI* audio driver technology in Microsoft Windows Vista and supports generic and on-board sound hardware with lower latencies than ever before.

Total export
The new Channel Batch Export assists in exporting audio files for individual channels or busses sorted by type with one action — ideal for exchanging projects without being dependent on matching plug-in sets or creating an audio-only archive of the project.

MediaBay optimizations
All aspects of MediaBay have been expanded and improved in Cubase 5, including the visibility of existing media content, more advanced and transparent tagging, faster searching and browsing, and overall improved performance.

Further enhancements
Thanks to the new info-line, the Sample Editor now allows even faster access to the most important parameters. The Logical Project Editor profits from numerous improvements, including more destinations and new Search and Actions functions. Cubase 5 also features a more straight-forward approach to handling multiple takes and lane management. And with mobile musicians in mind, Cubase lets you now use the computer keyboard or the mouse to play virtual instruments or edit MIDI notes.

* Windows Audio Session API is the new driver model from Microsoft for Windows Vista operating systems.
Cubase 5
Cubase 5 combines the latest composition and mixing tools with a streamlined workflow to help artists bring their creative visions to life.

Cubase 5 adds even more creative possibilities and new technologies to the world’s premier music production software — providing the finest tools to artists in any musical genre. VariAudio and PitchCorrect provide integrated intonation editing for monophonic vocal recordings. Groove Agent ONE and Beat Designer change the game for beat creation, while the revolutionary LoopMash seamlessly blends loops, creating unimaginable variations. VST Expression tools for composers combine with the first VST3 convolution reverb and improved automation for more dynamic mixes. And an array of additional enhancements and 64-bit technologies boost performance — all designed to inspire further musical creativity and productivity.

Cubase Studio 5
Cubase Studio 5 is the comprehensive workstation tailored to project studios and creative musicians. Based on the same core technologies as the Cubase 5 advanced music production system, the streamlined Cubase Studio 5 offers professional tools for composition, recording, editing and mixing.

Boasting a wealth of new capabilities unmatched in its price range, such as VST Expression and up-to-the-minute VST3 instruments and effects, like the new Groove Agent ONE drum machine and Beat Designer step sequencer as well as the new PitchCorrect intonation effect, Cubase Studio 5 offers unsurpassed performance in its price class.
### FAMILY VALUES:

<table>
<thead>
<tr>
<th>Feature</th>
<th>CUBASE 5</th>
<th>CUBASE STUDIO 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award-winning Cubase 32-bit floating-point</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>audio engine</td>
<td></td>
<td></td>
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<tr>
<td>Simultaneous playback</td>
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<tr>
<td>of audio tracks</td>
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<tr>
<td>MIDI tracks</td>
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<tr>
<td>Audio channel Insert slots</td>
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<tr>
<td>Group channels</td>
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<td>FX Send channels</td>
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<tr>
<td>FX Return channels</td>
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<tr>
<td>Instrument tracks</td>
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<tr>
<td>MIDI plug-in Insert slots</td>
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<tr>
<td>PitchCorrect (VST3 plug-in)</td>
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<tr>
<td>Groove Agent ONE (drum-sampling VST instrument)</td>
<td>Yes</td>
<td></td>
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<tr>
<td>Beat Designer (specialized drum step sequencer)</td>
<td>Yes</td>
<td></td>
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<tr>
<td>MIDI effects plug-ins</td>
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<td></td>
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<tr>
<td>Professional score layout and printing</td>
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<tr>
<td>VST Expression (easy instrument articulation management)</td>
<td>Yes</td>
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### DIFFERENTIATORS:

<table>
<thead>
<tr>
<th>Feature</th>
<th>CUBASE 5</th>
<th>CUBASE STUDIO 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical inputs/outputs</td>
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<tr>
<td>VST instrument slots</td>
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<tr>
<td>Extended channel EQ (VST3 studio EQ)</td>
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<tr>
<td>REVerence (VST3 convolution reverb processor)</td>
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<tr>
<td>LoopMash (loop-mangling VST instrument)</td>
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<tr>
<td>VariAudio (note detection/editing and intonation control for monophonic vocal recordings)</td>
<td>Yes</td>
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<tr>
<td>VST3 audio effects plug-ins</td>
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<td>External FX</td>
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<td>MediaBay and VST Sound support</td>
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<td>Control Room</td>
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<tr>
<td>5.1 surround support</td>
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<tr>
<td>Full MP3 Fraunhofer encoding</td>
<td></td>
<td>No (available as upgrade)</td>
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</table>

For a complete overview of the features, please visit the Steinberg website at www.steinberg.net.

### MINIMUM SYSTEM REQUIREMENTS

**PC**

- Windows XP (SP2) or Windows Vista™
- 2 GHz CPU (dual core CPU recommended)
- 1024 MB RAM
- Display resolution of 1280x800 recommended
- Windows Direct X compatible audio hardware
- ASIO compatible audio hardware recommended for low-latency performance
- DVD-ROM drive with dual-layer support
- 4 GB of free HD space
- USB component port for Steinberg Key (copy protection)
- Internet connection required for license activation
- *The installed Cubase 5 32-bit version only supports Vista 64*

**MAC**

- Mac OS X 10.5.5
- PowerPC GS (Intel Core Duo CPU recommended)
- 1024 MB RAM
- Display resolution of 1280x800 recommended
- CoreAudio compatible audio hardware
- DVD-ROM drive with dual-layer support
- 4 GB of free HD space
- USB component port for Steinberg Key (copy protection)
- Internet connection required for license activation

For recommended systems, please refer to our website www.steinberg.net in the Support section under DAW Components.